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CLAIMS

1.	A method for	creating	a banking	information	management	system	comprising
	the steps of:			•			

evaluating the data processing needs of a plurality of business units in a bank wherein said evaluation comprises identification of:

data to be processed;

algorithms to be applied to said data;

inputs to be received from the banking unit;

data products to be used internally within the banking unit;

data products that must be delivered to other banking units; and

data products that must be delivered to other entities outside of the bank;

segregating the data processing needs of each of the plurality of business units in the bank into a plurality of functional modules;

defining the behavior of each of said functional modules; and defining the interaction of each of said functional modules with other said functional modules.

20 2. The method of Claim 1 further comprising the step of categorizing each of said functional modules as either a client or as an object used by any one client.

3. The method of Claim 2 further comprising the steps of:

initiating a plurality of client applications each of which is an autonomous process that interacts either with a human user or another client process; initiating an object request broker or event that:

receives a request for service from one of the plurality of client applications;

identifies an object that can support the service request;

policies the form of the client request to ensure it is compatible with the form required by said identified object;

initiates a new instance of the identified object; and

creates a communications channel between the client requesting service and the identified object;

allowing the object identified by the object request broker or event to receive the service request from the client using said communications channel; and allowing the client to receive the results from the object using said communications channel.

- 4. The method of Claim 3 wherein said object request broker or event is hosted on a computer accessible to the client by means of a computer network.
 - 5. The method of Claim 3 wherein the object request broker or event initiates a new instance of the identified object on a computer accessible to the client by means of a computer network.

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- 6. The method of Claim 3 wherein the object request broker or event is compliant with the common object request broker architecture and middleware event management standards.
- 7. The method of Claim 2 further comprising the step of associating a name with each of said functional modules that are categorized as objects.
 - 8. The method of Claim 2 further comprising the step of defining an event service level for each of said functional modules that are categorized as objects.
 - 9. The method of Claim 8 wherein the event service level is one of the following: synchronous call, deferred call, or asynchronous message based.
- 10. The method of Claim 2 further comprising the step of defining the life cycle for each of said functional modules that are categorized as objects.
 - 11. The method of Claim 10 wherein the life cycle is defined by a first variable that can take one of the following states: persistent; or temporal; and a second variable that can take on one of the following states: transient; or resident.
 - 12. The method of Claim 2 further comprising the step of defining the concurrency requirements for each of said functional modules that are categorized as objects.

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13. The method of Claim 2 further comprising the step of defining the relationship structure for each of said functional modules that are categorized as objects.

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- 14. The method of Claim 2 further comprising the step of defining the externalization structure for each of said functional modules that are categorized as objects.
- 5 15. The method of Claim 1 wherein the definition of the behavior of each of said functional modules comprises an object definition compliant with an object request broker or OMG JZEE standard.
- 16. The method of Claim 1 wherein the definition of the interaction of each of said function modules comprises an interface definition compliant with an object request broker or OMG JZEE standard.
 - 17. The method of Claim 2 further comprising the steps of: identifying those functional modules categorized as clients that have a direct interaction with a human user; and defining a man machine interface for each of said clients.
 - 18. The method of Claim 17 wherein the functional modules categorized as clients that have a direct interaction with a human user are hosted on a personal workstation that is used by a bank teller.
 - 19. The method of Claim 17 wherein the functional modules categorized as clients that have a direct interaction with a human user are hosted on a personal digital assistant.
 - 20. The method of Claim 17 wherein the functional modules categorized as clients that have a direct interaction with a human user are hosted on an automated teller machine.
- 21. A banking information management system comprising: plurality of business objects; object request broker; JZEE; and standard XML message sets; plurality of client applications;
- 35 22. The system of Claim 21 wherein the business objects comprise: methods that define the business rules for a bank business unit; databases that contain the information upon which said methods act; and interface definitions that define how clients request said objects to render service.

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- 23. The system of Claim 22 wherein the methods that define business rules are compatible with an object request broker, JZEE and standard XML message sets..
- 24. The system of Claim 22 wherein the interface definitions are compatible with an object request broker JZEE and standard message sets.
- 25. The system of Claim 22 wherein the interface definitions are authored in an interface description language.
 - 26. The system of Claim 21 wherein the object request broker JZEE or event management common infrastructure layers:

receives request for service from one of a plurality of client applications; identifies an object that can service said service request; ensures that said service request conforms to the interface of said identified object;

invokes a new instance of said identified object;

creates a communications channel between the client application requesting service and said new instance of said identified object;

propagates said service request to said new instance of said identified object using said communications channel; and

receives results from said new instance of said identified object and directs said results to the requesting client application using said communications channel.

- 27. The system of Claim 26 wherein the object request broker or event initiates a said new instance of said identified object on a computer accessible to said requesting client application using a computer network.
- 28. The system of Claim 26 wherein the object request broker or event propagates a service request using a plurality of service levels.
- 29. The system of Claim 28 wherein the said plurality of service levels is one of the following: synchronous call; deferred call; or asynchronous message based.
 - 30. The system of Claim 26 wherein the object request broker or event invokes said instance of said identified object using a variable life cycle.

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- 31. The system of Claim 30 wherein the variable life cycle can be one of the following four types: persistent and resident; persistent but transient; temporal but resident; or temporal and transient.
- 32. The system of Claim 21 wherein the object request broker or event is hosted on a computer that is accessible to client applications using a computer network.
- 10 33. The system of Claim 21 wherein the object request broker or event is compliant with the common object request broker architecture specification, JZEE and standard messaging sets.
 - 34. The system of Claim 21 wherein the object request broker, JZEE, or event associates a name with each of the plurality of objects.
 - 35. The system of Claim 21 wherein the client application comprises:
 Inbound interface unit that receives a information request from either another client or a human user;
- object service request unit that formulates a service request based on said information request and delivers said service request to the object request broker or event management layer;
 - logic unit that receives the results from said service request from said object request broker or event management layer within the common infrastructure; and
 - outbound interface unit that conveys said results to either another client process or a human user.